

NAEP in Montana

MT NAEP Students in relation to variables

Cognitive Data
Mathematics Average Scale Score ranges from 0 to 500.

MATH Grade 8 2011

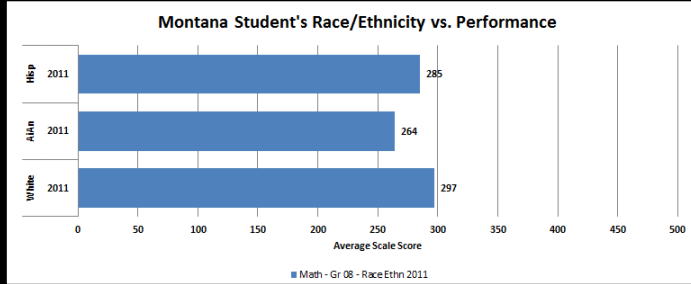


Figure 1. Montana Student's Race/Ethnicity vs. Performance. This chart depicts the Average Scale Scores for Ethnic groups (White, American Indian/Alaska Native and Hispanic) in MT.

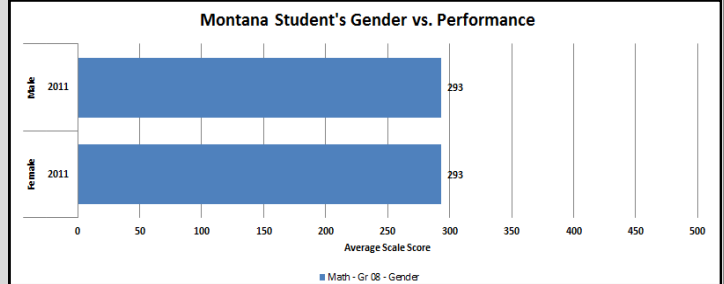


Figure 3. Montana Student's Gender vs. Performance. This chart depicts the Average Scale Scores for male and female students in MT.

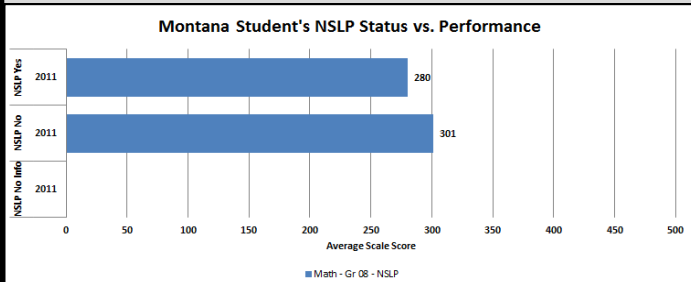


Figure 2. Montana Student's NSLP Status vs. Performance. This chart depicts the Average Scale Scores for NSLP students in MT.

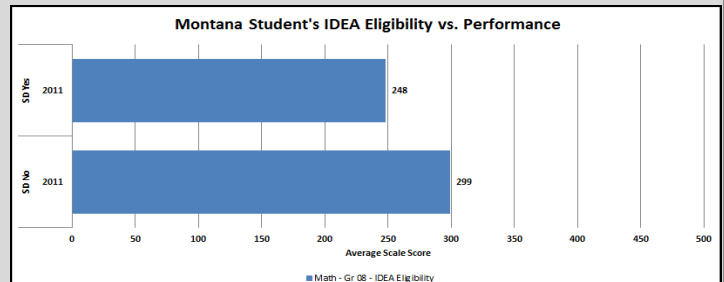


Figure 4. Montana Student's IDEA Eligibility vs. Performance. This chart depicts the Average Scale Scores Students with Disabilities (SD) in MT.

Montana vs. National Public

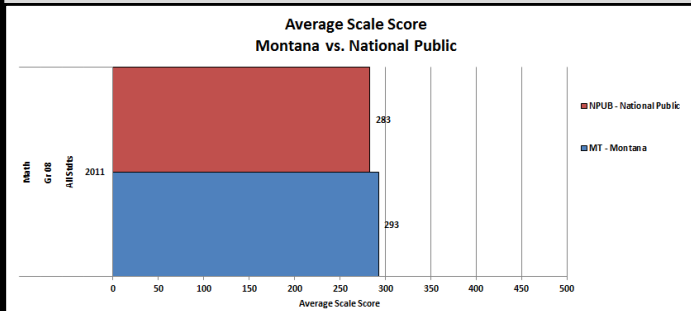


Figure 5. Montana (MT) versus the National Public (NPUB). This chart depicts the average scale scores for MT students and the N PUB.

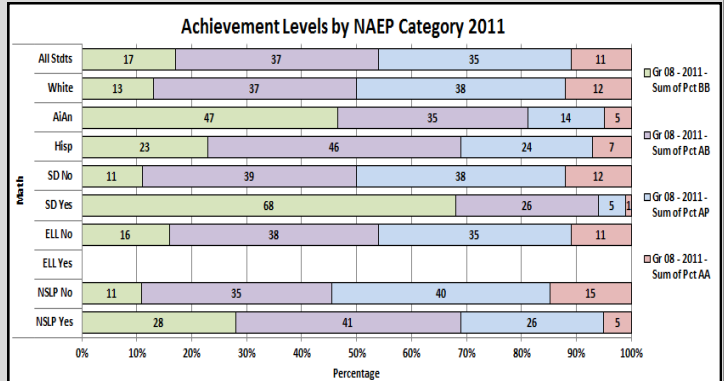


Figure 6. Achievement Levels by NAEP Category. This chart depicts the percent of students below Basic (BB), at Basic (AB), at Proficient (AP) and at Advanced (AA) in MT.

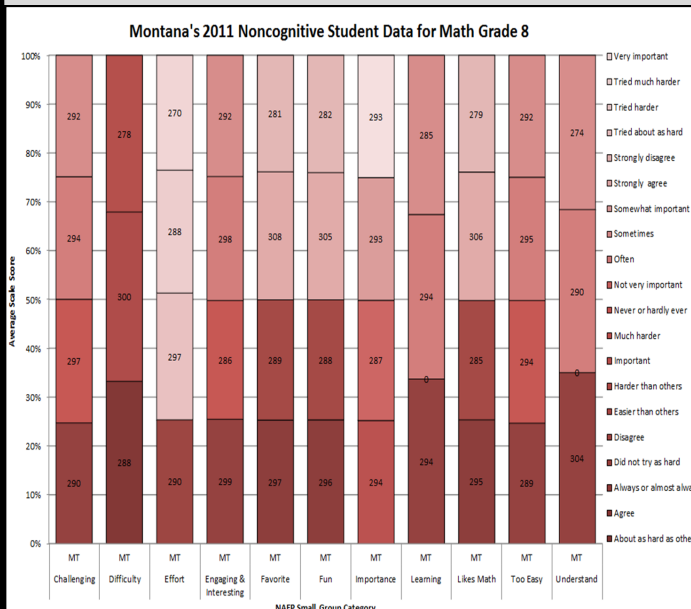
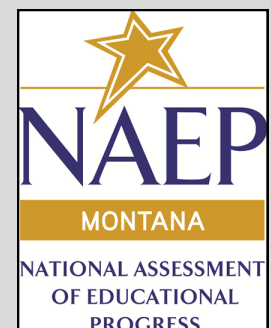


Figure 7. (Left) Average scale score performance versus NAEP Small Group Category. This chart depicts the student factors: *Challenging, Difficulty, Effort, Engaging & Interesting, Favorite, Fun, Importance, Learning, Likes Math, Too Easy and Understand.*



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Montana Math Grade 8 2011

Group Token	Group Category	Avg. scale score	PctTested	Pct BB	Pct AB	Pct AP	Pct AA	Pct AAB	Pct AAP
White	Race Ethn 2011*	297	84	13	37	38	12	87	49
Hisp	Race Ethn 2011*	285	3	23	46	24	7	77	31
AiAn	Race Ethn 2011*	264	10	47	35	14	5	53	19
NSLP Yes	NSLP*	280	38	28	41	26	5	72	31
NSLP No	NSLP*	301	62	11	35	40	15	89	55
NSLP No Info	NSLP*								
Male	Gender	293	51	18	36	34	12	82	46
Female	Gender	293	49	16	39	35	10	84	45
SD Yes	IDEA Eligibility*	248	11	68	26	5	1	32	6
SD No	IDEA Eligibility*	299	89	11	39	38	12	89	51
Group Token	Group Category	Avg. scale score	PctTested	Pct BB	Pct AB	Pct AP	Pct AA	Pct AAB	Pct AAP
ELL Yes	English Lang Lnr*		2						
ELL No	English Lang Lnr*	294	98	16	38	35	11	84	46
Group Token	Group Category	Avg. scale score	PctTested	Pct BB	Pct AB	Pct AP	Pct AA	Pct AAB	Pct AAP
HS Grad No	Parent Educ	272	4	35	46	19	1	65	20
HS Grad Yes	Parent Educ	281	16	26	44	25	5	74	30
Some Higher Ed	Parent Educ	291	18	14	46	33	7	86	40
Grad College	Parent Educ	302	55	10	32	42	16	90	58
Ed Unknown	Parent Educ	267	7	45	36	17	3	55	20
Group Token	Group Category	Avg. scale score	PctTested	Pct BB	Pct AB	Pct AP	Pct AA	Pct AAB	Pct AAP
City	Schl Loc	296	24	14	38	34	14	86	48
Suburb	Schl Loc		1						
Town	Schl Loc	295	34	16	36	37	11	84	48
Rural	Schl Loc	290	41	20	38	34	9	80	43
Juris Token	Group Category	Avg. scale score	PctTested	Pct BB	Pct AB	Pct AP	Pct AA	Pct AAB	Pct AAP
NPUB	All students	283	100	28	39	26	8	72	34
MT	All students*	293	100	17	37	35	11	83	46

Note: detail may not sum to totals because of rounding

* = used for calculating achievement levels

Montana (All Students) Math Grade 8 2011

Subject	Grade	Response	NAEP Small Group	Avg. scale score	PctTested
Math	Gr 08	Never or hardly ever	Understand	‡	1
Math	Gr 08	Sometimes	Understand	274	17
Math	Gr 08	Often	Understand	290	34
Math	Gr 08	Always or almost always	Understand	304	47
Math	Gr 08	Strongly disagree	Favorite	281	21
Math	Gr 08	Disagree	Favorite	289	33
Math	Gr 08	Agree	Favorite	297	29
Math	Gr 08	Strongly agree	Favorite	308	18
Math	Gr 08	Easier than others	Difficulty	300	55
Math	Gr 08	About as hard as others	Difficulty	288	37
Math	Gr 08	Harder than others	Difficulty	278	7
Math	Gr 08	Much harder	Difficulty	‡	1
Math	Gr 08	Did not try as hard	Effort	290	15
Math	Gr 08	Tried about as hard	Effort	297	63
Math	Gr 08	Tried harder	Effort	288	16
Math	Gr 08	Tried much harder	Effort	270	6
Math	Gr 08	Never or hardly ever	Learning	‡	1
Math	Gr 08	Sometimes	Learning	285	8
Math	Gr 08	Often	Learning	294	27
Math	Gr 08	Always or almost always	Learning	294	64
Math	Gr 08	Not very important	Importance	287	9
Math	Gr 08	Somewhat important	Importance	293	27
Math	Gr 08	Important	Importance	294	39
Math	Gr 08	Very important	Importance	293	25
Math	Gr 08	Strongly disagree	Likes Math	279	10
Math	Gr 08	Disagree	Likes Math	285	23
Math	Gr 08	Agree	Likes Math	295	50
Math	Gr 08	Strongly agree	Likes Math	306	16
Math	Gr 08	Strongly disagree	Fun	282	10
Math	Gr 08	Disagree	Fun	288	34
Math	Gr 08	Agree	Fun	296	44
Math	Gr 08	Strongly agree	Fun	305	12
Math	Gr 08	Never or hardly ever	Challenging	297	12
Math	Gr 08	Sometimes	Challenging	292	46
Math	Gr 08	Often	Challenging	294	34
Math	Gr 08	Always or almost always	Challenging	290	8
Math	Gr 08	Never or hardly ever	Engaging & Interesting	286	21
Math	Gr 08	Sometimes	Engaging & Interesting	292	38
Math	Gr 08	Often	Engaging & Interesting	298	29
Math	Gr 08	Always or almost always	Engaging & Interesting	299	12
Math	Gr 08	Never or hardly ever	Too Easy	294	18
Math	Gr 08	Sometimes	Too Easy	292	59
Math	Gr 08	Often	Too Easy	295	18
Math	Gr 08	Always or almost always	Too Easy	289	5